Project Title	Funding	Institution
Abnormal connectivity in autism	$15,000	University of California, Los Angeles
ACE Center: Cognitive affective and neurochemical processes underlying is in autism	$378,379	University of Illinois at Chicago
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	$392,439	University of Pittsburgh
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	$1	University of Pittsburgh
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	$157,294	University of Pittsburgh
ACE Center: Imaging the autistic brain before it knows it has autism	$197,682	University of California, San Diego
ACE Center: Mirror neuron and reward circuitry in autism	$302,654	University of California, Los Angeles
ACE Center: Neuroimaging studies of connectivity in ASD	$324,271	Yale University
ACE Center: Systems connectivity + brain activation:imaging studies of language + perception	$426,284	University of Pittsburgh
A comparative developmental connectivity study of face processing	$229,574	Medical University of South Carolina
Action anticipation in infants	$98,745	University of Chicago
A developmental social neuroscience approach to perception-action relations	$0	Temple University
A functional genomic analysis of the cerebral cortex	$85,471	University of California, Los Angeles
Alterations in brain-wide neuroanatomy in autism mouse models	$0	Cold Spring Harbor Laboratory
Anatomy of primate amygdaloid complex	$75,629	University of California, Davis
A neural model of fronto-parietal mirror neuron system dynamics	$183,344	University of Maryland, College Park
Architecture of myelinated axons linking frontal cortical areas	$0	Boston University
Are neuronal defects in the cerebral cortex linked to autism?	$0	Memorial Sloan-Kettering Cancer Center
Attentional distribution and word learning in children with autism	$0	Brown University
Atypical architecture of prefrontal cortex in young children with autism	$565,183	University of California, San Diego
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	$469,620	University of Utah
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study (supplement)	$154,416	University of Utah
Autism and the insula: Genomic and neural circuits	$506,341	California Institute of Technology
Autism spectrum disorders and the visual analysis of human motion	$125,000	Rutgers, The State University of New Jersey
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	$0	Université de Montréal
Behavioral and neural correlates of reward motivation in children with autism spectrum disorders	$27,554	University of North Carolina at Chapel Hill
Behavioral and neural processing of faces and expressions in nonhuman primates	$435,600	Emory University
Behavioral and neural responses to emotional faces in individuals with ASD	$14,935	Harvard University
Behavioral and sensory evaluation of auditory discrimination in autism	$178,529	University of Massachusetts Medical School
Brain bases of language deficits in SLI and ASD	$651,988	Massachusetts Institute of Technology

Project Title	Funding	Institution
Brain circuitry in simplex autism	$0	Washington University in St. Louis
Brain lipid rafts in cholesterol biosynthesis disorders	$60,480	Medical College of Wisconsin
Canonical neural computation in autism spectrum disorders	$200,717	New York University
CAREER: Dissecting the neural mechanisms for face detection	$0	California Institute of Technology
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	$0	Cornell University
CAREER: Model-based fMRI of human object recognition	$0	Georgetown University
CAREER: Statistical models and classification of time-varying shape	$404,961	University of Utah
CAREER: The role of prosody in word segmentation and lexical access	$0	Michigan State University
CAREER: Typical and atypical development of brain regions for theory of mind	$27,670	Massachusetts Institute of Technology
Caspr2 as an autism candidate gene: A proteomic approach to function & structure	$312,000	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
CDI-TYPE II: From language to neural representations of meaning	$0	Carnegie Mellon University
Cell adhesion molecules in CNS development	$535,691	Scripps Research Institute
Cellular characterization of Caspr2	$24,666	University of California, San Diego
Cellular density and morphology in the autistic temporal human cerebral cortex	$345,910	University of California, Davis
Cerebellar modulation of frontal cortical function	$309,686	University of Memphis
Cerebellar plasticity and learning in a mouse model of autism	$31,250	University of Chicago
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Cochlear efferent feedback and hearing-in-noise perception in autism	$186,794	University of Rochester
Cognitive control in autism	$152,627	University of California, Davis
Cognitive control of emotion in autism	$103,256	University of Pittsburgh
Cognitive mechanisms of serially organized behavior	$346,928	Columbia University
Collaborative research: Learning complex auditory categories	$0	Carnegie Mellon University
Collaborative research: Learning complex auditory categories	$0	University of Arizona
Collaborative research: Modeling perception and memory: Studies in priming	$0	University of California, San Diego
Collaborative research: Modeling perception and memory: Studies in priming	$0	Indiana University

Project Title	Funding	Institution
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$0	College of the Holy Cross
Collaborative research: The path to verb learning	$0	Temple University
Collaborative research: The path to verb learning	$0	University of Delaware
Communicative and emotional facial expression production in children with autism	$171,215	University of Massachusetts Medical School
Computational characterization of language use in autism spectrum disorder	$759,606	Oregon Health & Science University
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	$83,521	Massachusetts Institute of Technology
Cortical microcircuit dysfunction as a result of MET deficiency: A link to autism	$33,955	Northwestern University
Corticothalamic circuit interactions in autism	$50,000	Boston Children's Hospital
Cross-modal interactions between vision and touch	$480,343	Emory University
Deciphering the function and regulation of AUTS2	$28,000	University of California, San Francisco
Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders	$237,000	Stanford University
Defining cells and circuits affected in autism spectrum disorders	$669,298	The Rockefeller University
Defining the dynamics of the default network with direct brain recordings and functional MRI	$144,317	University of Washington
Dendritic organization within the cerebral cortex in autism	$0	The Open University
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	$0	Weizmann Institute of Science
Development of brain connectivity in autism	$0	New York School of Medicine
Development of face processing expertise	$350,596	University of Toronto
Development of the functional neural systems for face expertise	$505,729	University of California, San Diego
Development of ventral stream organization	$137,338	University of Pittsburgh
Diffuse optical brain imaging	$182,022	National Institutes of Health
Diffusion tensor MR spectroscopic imaging in human brain	$185,213	University of New Mexico Health Sciences Center
Dimensions of mind perception	$0	Harvard University
Early expression of autism spectrum disorder in experimental animals	$54,000	Neurochlore
EEG-based assessment of functional connectivity in autism	$175,176	Kennedy Krieger Institute
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$337,818	Brandeis University
Elucidation of the developmental role of Jakmip1, an autism-susceptibility gene	$31,042	University of California, Los Angeles
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$470,003	Memorial Sloan-Kettering Cancer Center

Project Title	Funding	Institution
Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	$14,000	Monash University
Excessive cap-dependent translation as a molecular mechanism underlying ASD	$0	New York University
Experience and cognitive development in infancy	$100,798	University of California, Davis
Exploring the uncanny valley	$0	Carnegie Mellon University
Eye movement dynamics in autism spectrum disorders	$42,350	Carnegie Mellon University
Face perception: Mapping psychological spaces to neural responses	$79,992	Stanford University
fMRI studies of cerebellar functioning in autism	$0	University of Illinois at Chicago
fMRI studies of neural dysfunction in autistic toddlers	$536,393	University of California, San Diego
fMRI study of reward responsiveness of children with autism spectrum disorder	$53,566	University of California, Los Angeles
Frontostriatal synaptic dysfunction in a model of autism	$48,398	Stanford University
Functional analysis of EFR3A mutations associated with autism	$31,250	Yale University
Functional analysis of neurexin IV in Drosophila	$68,652	University of California, Los Angeles
Functional anatomy of face processing in the primate brain	$1,720,556	National Institutes of Health
Functional neuroanatomy of developmental changes in face processing	$291,933	Medical University of South Carolina
Functional properties and directed connectivity in the face-processing network	$53,042	Yale University
Functional role of IL-6 in fetal brain development and abnormal behavior	$41,800	California Institute of Technology
Function and dysfunction of neuroligins in synaptic circuits	$450,000	Stanford University
Function and structure adaptations in forebrain development	$541,770	University of Southern California
Function of neurexins	$466,651	Stanford University
GABAergic dysfunction in autism	$278,486	University of Minnesota
Genetic studies of autism-related Drosophila neurexin and neuroligin	$550,000	University of North Carolina at Chapel Hill
Glial control of neuronal receptive ending morphology	$418,275	Rockefeller University
Global & targeted profiling of protein, phospho and O-GlcNAc to understand synapses	$994	University of California, San Francisco
Glutamate signaling in children with autism spectrum disorder	$57,840	University of California, Davis
HCC:Small:Computational studies of social nonverbal communication	$0	University of Southern California
Head-fixed recording of sensory learning in mouse autism models	$60,000	Princeton University
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	$430,650	Cold Spring Harbor Laboratory
High throughput screen for small molecule probes for neural network development	$405,000	Johns Hopkins University
How autism affects speech understanding in multitalker environments	$143,264	University of Maryland, College Park

Project Title	Funding	Institution
Identification of candidate genes at the synapse in autism spectrum disorders	$169,422	Yale University
Imaging PTEN-induced changes in adult cortical structure and function in vivo	$300,339	University of California, Los Angeles
Imaging signal transduction in single dendritic spines	$382,200	Duke University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$0	Massachusetts Institute of Technology
Infants' developing representation of object function	$0	University of California, Davis
Inhibitory mechanisms for sensory map plasticity in cerebral cortex	$320,399	University of California, Berkeley
Integrative functions of the planum temporale	$479,898	University of California, Irvine
Investigating brain connectivity in autism at the whole-brain level	$90,000	California Institute of Technology
Investigation of social brain circuits in mouse models of the 16p11.2 locus	$87,500	Cold Spring Harbor Laboratory
In vivo targeted gene silencing, a novel method	$218,472	Indiana University-Purdue University Indianapolis
Kinetics of drug macromolecule complex formation	$712,920	University of California, San Diego
Learning and compression in human working memory	$84,000	Harvard University
Learning and plasticity in the human brain	$286,110	National Institutes of Health
Learning in autism spectrum disorders	$0	University of California, Davis
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	$0	Carnegie Mellon University
Linking local activity and functional connectivity in autism	$365,655	San Diego State University
Longitudinal neurodevelopment of auditory and language cortex in autism	$27,942	University of Utah
Macrocephalic autism: Exploring and exploiting the role of PTEN	$28,000	University of Wisconsin - Madison
Mathematical cognition in autism: A cognitive and systems neuroscience approach	$657,886	Stanford University
MEG investigation of phonological processing in autism	$0	University of Colorado Denver
MEG investigation of the neural substrates underlying visual perception in autism	$128,798	Massachusetts General Hospital
Metacognition in comparative perspective	$210,896	University at Buffalo, The State University of New York
MET signaling in neural development and circuitry formation	$83,810	University of Southern California
Molecular controls over callosal projection neuron subtype specification and diversity	$41,800	Harvard University
Molecular mechanisms regulating synaptic strength	$293,266	Washington University in St. Louis
Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	$143,650	Florida International University
Morphogenesis and function of the cerebral cortex	$409,613	Yale University
Motor control and cerebellar maturation in autism	$157,148	University of Texas Southwestern Medical Center

Project Title	Funding	Institution
Motor skill learning in autism	$412,236	Kennedy Krieger Institute
MTHFR functional polymorphism C677T and genomic instability in the etiology of idiopathic autism in simplex families	$114,984	Queen's University
Multidimensional impact of pain on individuals and family functioning in ASD	$13,000	The Research Foundation of the State University of New York
Multimodal analyses of face processing in autism & down syndrome	$182,882	University of Massachusetts Medical School
Multimodal brain imaging in autism spectrum disorders	$167,832	University of Washington
Multimodal studies of executive function deficits in autism spectrum disorders	$51,942	Massachusetts General Hospital
Multiple systems in theory of mind development	$0	Rutgers, The State University of New Jersey - New Brunswick
Multisensory integration and temporal synchrony in autism	$35,100	University of Rochester
Multisensory integration in children with ASD	$229,813	University of California, Davis
Neocortical mechanisms of categorical speech perception	$240,744	University of California, San Francisco
Neural basis of behavioral flexibility	$360,214	Mount Sinai School of Medicine
Neural basis of cross-modal influences on perception	$154,104	University of California, San Diego
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	$0	Duke University
Neural mechanisms for social cognition in autism spectrum disorders	$112,523	Massachusetts Institute of Technology
Neural mechanisms of imitative behavior: Implications for mental health	$32,696	University of California, Los Angeles
Neural mechanisms of tactile sensation in rodent somatosensory cortex	$256,605	University of California, Berkeley
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	$0	Vanderbilt University
Neural synchronydysfunction of gamma oscillations in autism	$265,073	University of Colorado Denver
Neural systems for the extraction of socially-relevant information from faces	$51,783	Dartmouth College
Neural underpinning of emotion perception and its disorders	$15,000	Dartmouth College
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$200,000	Columbia University
Neurobehavioral investigation of tactile features in autism spectrum disorders	$159,480	Vanderbilt University
Neurobiological correlates of language dysfunction in autism spectrum disorders	$535,464	The Mind Research Network
Neurobiological mechanisms of insistence on sameness in autism	$0	University of Illinois at Chicago
Neurobiological signatures of audiovisual speech perception in children in ASD	$240,420	Haskins Laboratories, Inc.
Neurocognitive mechanisms underlying children's theory of mind development	$74,160	University of California, San Diego
Neurodevelopmental mechanisms of social behavior	$331,208	University of Southern California
Neurodevelopmental mechanisms of social behavior (supplement)	$198,063	University of Southern California

Project Title	Funding	Institution
Neuroimaging of social perception	$242,812	University of Virginia
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$386,859	Georgetown University
Neuroligin, oxidative stress and autism	$75,000	Oklahoma Medical Research Foundation
Neuroligins and neurexins as autism candidate genes: Study of their association in synaptic connectivity	$0	University of California, San Diego
Neuropathology of the social-cognitive network in Autism: a comparison with other structural theories	$100,198	University of Oxford
Neuropeptide regulation of juvenile social behaviors	$14,755	Boston College
Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system	$25,000	Columbia University
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	$0	Kennedy Krieger Institute
Novel computational methods for higher order diffusion MRI in autism	$665,572	University of Pennsylvania
Perturbed activity-dependent plasticity mechanisms in autism	$158,034	Harvard Medical School
Perturbed cortical patterning in autism	$0	Seattle Children's Hospital
Phonological processing in the autism spectrum	$0	Heriot-Watt University
Physiology of attention and regulation in children with ASD and LD	$352,532	Seattle Children's Hospital
PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism	$100,000	Emory University
Preference acquisition in children and adolescents with and without autism spectrum disorder	$28,000	Dalhousie University
Presynaptic regulation of quantal size by the cation/H+ exchangers NHE6 & NHE9	$29,650	University of California, Berkeley
Proteome and interaction networks in autism	$31,250	Harvard Medical School
Psychobiological investigation of the socioemotional functioning in autism	$347,305	Vanderbilt University
Regulation of activity-dependent ProSAp2 synaptic dynamics	$33,879	Stanford University
Regulation of synaptogenesis by cyclin-dependent kinase 5	$180,264	Massachusetts Institute of Technology
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$250,000	Massachusetts General Hospital
RI: Small: Addressing visual analogy problems on the raven's intelligence test	$165,546	Georgia Tech Research Corporation
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	$0	University of California, Los Angeles
Role of GluK6 in cerebella circuitry development	$55,826	Yale University
Role of micro-RNAs in ASD affected circuit formation and function	$127,383	University of California, San Francisco
Role of negative regulators of FGF signaling in frontal cortex development and autism	$0	University of California, San Francisco
Role of neurexin in the amygdala and associated fear memory	$25,000	Columbia University

Project Title	Funding	Institution
Roles of miRNAs in regulation of Foxp2 and in autism	$0	Louisiana State University
Self-injurious behavior: An animal model of an autism endophenotype	$0	University of Florida
Sensory processing and integration in autism	$550,283	Albert Einstein College of Medicine of Yeshiva University
Serotonin signal transduction in two groups of autistic patients	$0	University of Illinois at Chicago
Social and affective components of communication	$298,757	Salk Institute For Biological Studies
Social behavior deficits in autism: Role of amygdala	$92,074	State University of New York Upstate Medical Center
Social brain networks for the detection of agents and intentions	$413,750	Yale University
Statistical analysis of biomedical imaging data in curved space	$326,619	University of North Carolina at Chapel Hill
Stimulus-driven attention deficits in autism	$60,000	University of Minnesota
Structural and functional connectivity of large-scale brain networks in autism spectrum disorders	$168,978	Stanford University
Structural brain differences between autistic and typically-developing siblings	$13,020	Stanford University
Synaptic processing in the basal ganglia	$378,166	University of Washington
Synchronous activity in networks of electrically coupled cortical interneurons	$0	University of California, Davis
Taste, smell, and feeding behavior in autism: A quantitative traits study	$570,508	University of Rochester
The cognitive neuroscience of autism spectrum disorders	$1,102,811	National Institutes of Health
The effects of autism on the sign language development of deaf children	$47,210	Boston University
The integration of interneurons into cortical microcircuits	$75,000	New York University School of Medicine
The microstructural basis of abnormal connectivity in autism	$332,991	University of Utah
The neural basis of weak central coherence in autism spectrum disorders	$13,040	Yale University
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	$0	University of Missouri
The role of CNTNAP2 in embryonic neural stem cell regulation	$75,000	Johns Hopkins University School of Medicine
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	$145,757	University of California, Los Angeles
To study the relationship between decreased hepatocyte growth factor (HGF) and glutamate excitotoxicity in autistic children	$7,228	Health Research Institute/Pfeiffer Treatment Center
Towards an endophenotype for amygdala dysfunction	$380,304	California Institute of Technology
Transcriptional responsiveness in lymphoblastoid cell lines	$52,863	University of Pennsylvania
Typical and pathological cellular development of the human amygdala	$383,750	University of California, Davis
Ube3a requirements for structural plasticity of synapses	$0	University of North Carolina at Chapel Hill
Using fruit flies to map the network of autism-associated genes	$31,249	University of California, San Diego
Using functional physiology to uncover the fundamental principles of visual cortex	$307,593	Carnegie Mellon University
Vasopressin receptor polymorphism and social cognition	$373,005	Agnes Scott College

Project Title	Funding	Institution
White matter glial pathology in autism	$145,689	East Tennessee State University
Young development of a novel pet ligand for detecting oxytocin receptors in brain	$261,360	Emory University